

Given a graph or chart, the student predicts continuation of trends.

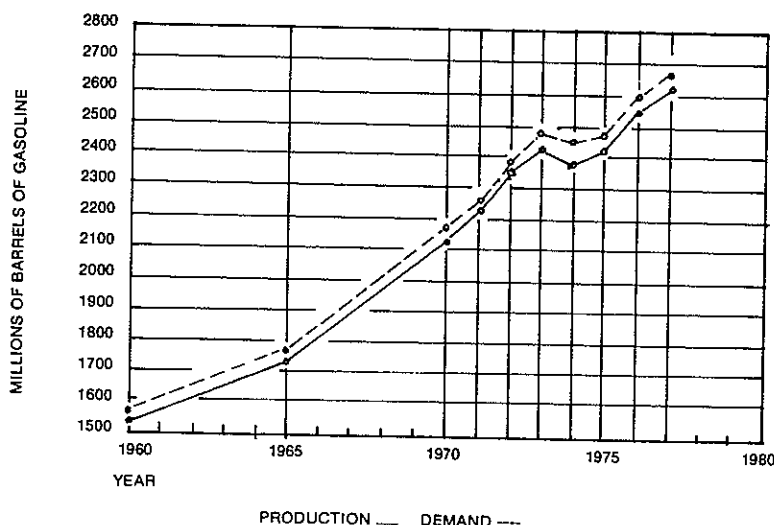
UNIT 6
Lesson 1
Drawing Conclusions

TECHNICAL TALK

So far we have worked on drawing conclusions from written details. In this unit we will work on line graphs. In reading graphs, you can sometimes draw conclusions about trends. If there is a trend, it may help you decide what may happen next.

TRY IT

Look at the graph below carefully. It shows the demand for gasoline over several years and the amount we were able to produce in the United States. Notice that the amount is on the scale at the left called the "Y scale." The years are read across the bottom. This is the "X scale."



GASOLINE PRODUCTION AND DEMAND

1. Which of these figures is closest to the number of barrels of gasoline produced in 1974? (a) 2,390 million (b) 2,450 million (c) 2,550 million
2. Over the years between 1960 and 1977 the trend was (a) to use less gasoline (b) to produce less gasoline (c) to produce more gasoline (d) to use the same amount of gasoline
3. In which year was there the biggest difference between production and demand? _____

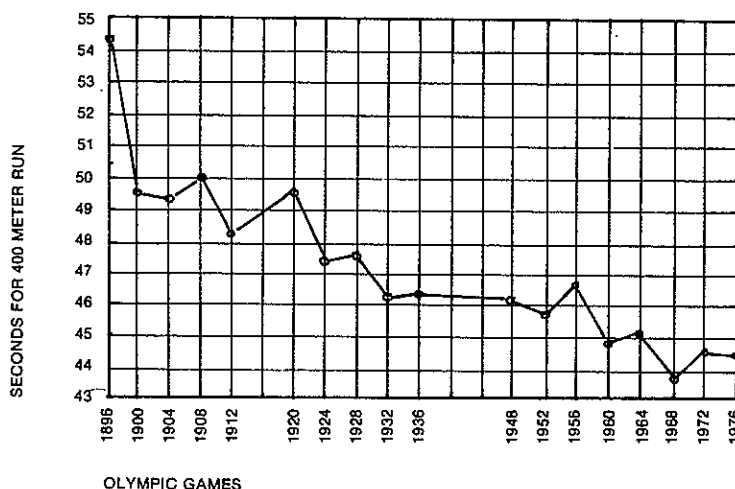
If the trend continues, what would you expect? Write "True" or "False" for each statement.

4. Demand for gasoline will be higher than production. _____
5. In 1980 the demand for gasoline will be under 2,700 million barrels. _____
6. The demand for gasoline will continue to increase. _____
7. The difference between supply and demand for gasoline in 1980 will be greater than it was in 1960. _____

REVIEW

UNIT 6 Lesson 2 Drawing Conclusions

If the trends shown in the graph about the production and demand for gasoline continue, what can we expect? We can expect a difference between supply and demand. There will be less gasoline produced than we need. We can also expect the demand for gasoline to increase each year. Where does the gasoline come from if production in our country is less than we need? We buy it from other countries.



OLYMPIC RECORDS FOR THE MEN'S 400 METER RUN

This graph shows the times of Olympic games champions from 1896 to 1976. The time is given in seconds.

1. The Olympic games are held every four years. There are three games missing. Why do you think they are missing? (You may need to look at an encyclopedia or almanac to see what was happening in those years.)

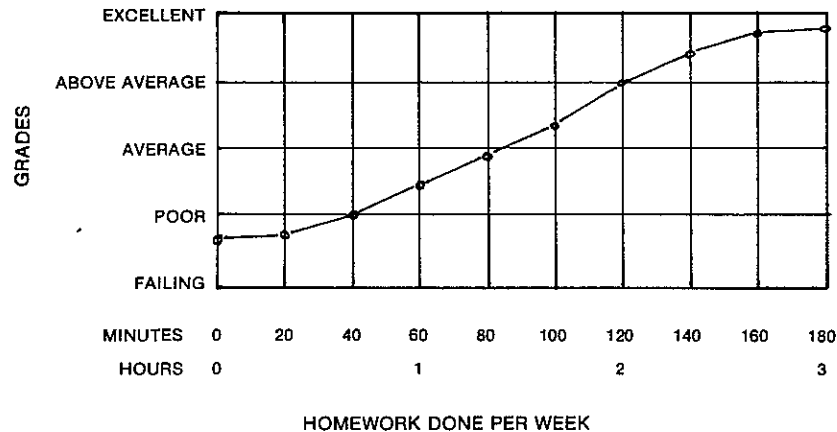
Write "True" or "False" for each statement. Your answers should be based on the graph.

2. Generally, the time taken to run the 400 meter event has increased since 1896. _____
3. Each year the time of the runner was faster than the year before. _____
4. The time for 1956 was an especially slow one. _____
5. If the trend continues, the time for 1984 should be faster than the one for 1952. _____

HOMEWORK AND GRADES

UNIT 6 Lesson 3 Drawing Conclusions

In 1976 the students in a large high school were asked how much homework they did each week. Later their grades were matched to the hours they spent on homework. The graph below shows the results. Read it carefully and answer the questions.



Based on the information given in this graph, write "True" or "False" for each of the following statements.

1. A student who got average grades usually did about 1½ hours of homework per week. _____
2. A student who did 40 minutes of homework each week would have to do 20 minutes more each week to get an average grade. _____
3. Some students could probably pass without doing any homework at all. _____
4. Doing three hours of homework per week was not enough for a student to be sure of getting straight 1's or A's. _____
5. A student who gets average grades would need to do four times as much homework to get a 2 average. _____
6. A student who spends one hour per week studying could probably expect to get some 3's and some 4's as grades. _____
7. By studying two hours per week a student will be guaranteed a grade of 2. _____

HOW DID YOU DO?

Number Correct Possible	19	<div style="display: flex; align-items: center;"> <div style="flex: 1; position: relative; height: 20px; border: 1px solid black; margin-bottom: 2px;"> <div style="position: absolute; top: -5px; left: 0; right: 0; text-align: center; font-size: 8px;">0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19</div> <div style="position: absolute; bottom: -5px; left: 0; right: 0; text-align: center; font-size: 8px;">0% 5 11 16 21 26 32 37 42 47 53 58 63 68 74 79 84 89 95 100%</div> </div> <div style="flex: 1; border-left: 1px solid black; border-right: 1px solid black; height: 20px; margin: 0 5px;"></div> <div style="flex: 1; position: relative; height: 20px; border: 1px solid black; margin-bottom: 2px;"> <div style="position: absolute; top: -5px; left: 0; right: 0; text-align: center; font-size: 8px;">0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19</div> <div style="position: absolute; bottom: -5px; left: 0; right: 0; text-align: center; font-size: 8px;">0% 5 11 16 21 26 32 37 42 47 53 58 63 68 74 79 84 89 95 100%</div> </div> </div>	% Correct
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